SIEMENS MAGNETOM Verio syngo MR B17

\\USER\I	 PHYSICS\Pete\Yuqi_qD	ESS_240225\qDESS_PJL_oriç	ginal_lores
	T: 2 Voxel size: 0.7×0.7	·	ER: qDESS_PJL
		L Elliptical filter	Off
Properties		Elliptical filter	Oli
Prio Recon	Off	Geometry	
Before measurement		Multi-slice mode	Sequential
After measurement		Series	Interleaved
Load to viewer	On	Set-n-Go Protocol	Off
Inline movie	Off	Table position	H
Auto store images	On	Table position	0 mm
Load to stamp segments	Off	Inline Composing	Off
Load images to graphic	Off	I mine composing	Oli
segments		System	
Auto open inline display	Off	Body	Off
Start measurement without	On	KN	On
further preparation		Decitioning mode	DEE
Wait for user to start	Off	Positioning mode	REF
Start measurements	single	MSMA Sociital	S-C-T
Routine		Sagittal	R >> L A >> P
Slab group 1		Coronal	
Slab gloup 1 Slabs	1	Transversal Save uncombined	F >> H Off
Dist. factor	20 %	Coil Combine Mode	
Position	Isocenter	Auto Coil Select	Adaptive Combine Default
Orientation	Sagittal	Auto Coil Select	Delauit
Phase enc. dir.	A >> P	Shim mode	Standard
Rotation	0.00 deg	Adjust with body coil	Off
Phase oversampling	0.00 deg 0 %	Confirm freq. adjustment	Off
Slice oversampling	0.0 %	Assume Silicone	Off
Slices per slab	80	? Ref. amplitude 1H	0.000 V
FoV read	150 mm	Adjustment Tolerance	Auto
FoV phase	100.0 %	Adjust volume	
Slice thickness	1.50 mm	Position	Isocenter
TR	25.50 ms	Orientation	Sagittal
TE	6.00 ms	Rotation	0.00 deg
Averages	1	F >> H	150 mm
Filter	None	A >> P	150 mm
Coil elements	KN	R >> L	120 mm
	144	Inline	
Contrast	20 dag	Subtract	Off
Flip angle	20 deg	Std-Dev-Sag	Off
Fat suppr.	Water excit. fast	Std-Dev-Cor	Off
Averaging mode	Short term	Std-Dev-Tra	Off
Reconstruction	Magnitude	Std-Dev-Time	Off
Measurements	1	MIP-Sag	Off
Multiple series	Each measurement	MIP-Cor	Off
Resolution		MIP-Tra	Off
	224	MIP-Time	Off
Base resolution Phase resolution	224 100 %	Save original images	On
Slice resolution	100 %	Sequence	
Phase partial Fourier	Off Off	Introduction	Off
Slice partial Fourier	Off Off	Dimension	3D
Interpolation	Off	Elliptical scanning	On
PAT mode	GRAPPA	Asymmetric echo	Off
Accel. factor PE	2	Bandwidth	199 Hz/Px
Ref. lines PE	24	Flow comp.	No
Accel. factor 3D	1		
Matrix Coil Mode	Auto (Triple)	Segments	1
Reference scan mode	Integrated	RF pulse type	Normal
		Gradient mode	Whisper
Image Filter	Off	Excitation	Slab-sel.
Distortion Corr.	Off	qDESS spoiler duration	3.62 ms
Prescan Normalize	Off	gDESS spoiler duration	31.30 mT/m.ms
NORMALIZA	()TT		91.99 HH/III.HB

Off

Off

Off

Normalize

B1 filter

Raw filter

qDESS spoiler moment

Balanced readout

31.30 mT/m.ms

On

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\\USI	ER\PHYSI	ICS\Pete\Yuqi_qDESS_2402	225\qDESS_PJL_	_proposed_lores
TA: 4:00	PAT: 2	Voxel size: 0.7×0.7×1.5 mm	Rel. SNR: 1.00	USER: qDESS_PJL

Properties		Elliptical filter	Off
Prio Recon	Off	Geometry	
Before measurement	Oil	Multi-slice mode	Sequential
After measurement		Series	Interleaved
Load to viewer	On		
Inline movie	Off	Set-n-Go Protocol	Off
		Table position	Н
Auto store images	On Off	Table position	0 mm
Load to stamp segments	Off	Inline Composing	Off
Load images to graphic	Off		
segments		System	
Auto open inline display	Off	Body	Off
Start measurement without	On	KN	On
further preparation		Danisia a and da	DEE
Wait for user to start	Off	Positioning mode	REF
Start measurements	single	MSMA	S-C-T
Routine		Sagittal	R >> L
		Coronal	A >> P
Slab group 1		Transversal	F >> H
Slabs	1	Save uncombined	Off
Dist. factor	20 %	Coil Combine Mode	Adaptive Combine
Position	Isocenter	Auto Coil Select	Default
Orientation	Sagittal	Chim made	Otomaloud
Phase enc. dir.	A >> P	Shim mode	Standard
Rotation	0.00 deg	Adjust with body coil	Off
Phase oversampling	0 %	Confirm freq. adjustment	Off
Slice oversampling	0.0 %	Assume Silicone	Off
Slices per slab	80	? Ref. amplitude 1H	0.000 V
FoV read	150 mm	Adjustment Tolerance	Auto
FoV phase	100.0 %	Adjust volume	
Slice thickness	1.50 mm	Position	Isocenter
TR	30.14 ms	Orientation	Sagittal
TE	4.03 ms	Rotation	0.00 deg
Averages	1	F >> H	150 mm
Filter	None	A >> P	150 mm
Coil elements	KN	R >> L	120 mm
Contrast		Inline	
Flip angle	41 deg	Subtract	Off
	Water excit. fast	Std-Dev-Sag	Off
Fat suppr.	water excit. iast	····· Std-Dev-Cor	Off
Averaging mode	Short term	Std-Dev-Tra	Off
Reconstruction	Magnitude	Std-Dev-Time	Off
Measurements	1	MIP-Sag	Off
Multiple series	Each measurement	MIP-Sag MIP-Cor	Off
•	_aon mododromon	MIP-Tra	Off
Resolution			
Base resolution	224	MIP-Time	Off
Phase resolution	100 %	Save original images	On
Slice resolution	100 %	1	
Phase partial Fourier	Off	Sequence	
Slice partial Fourier	Off	Introduction	Off
Interpolation	Off	Dimension	3D
		Elliptical scanning	On
PAT mode	GRAPPA	Asymmetric echo	Off
Accel. factor PE	2	Bandwidth	199 Hz/Px
Ref. lines PE	24	Flow comp.	No
Accel. factor 3D	1		
7 100011 100101 02		Segments	1
Matrix Coil Mode	•		
Matrix Coil Mode	Auto (Triple)	RF pulse type	Normal
Matrix Coil Mode Reference scan mode	•		Normal Fast
Matrix Coil Mode Reference scan mode Image Filter	Auto (Triple) Integrated Off	RF pulse type	
Matrix Coil Mode Reference scan mode	Auto (Triple) Integrated	RF pulse type Gradient mode Excitation	Fast Slab-sel.
Matrix Coil Mode Reference scan mode Image Filter	Auto (Triple) Integrated Off	RF pulse type Gradient mode Excitation qDESS spoiler duration	Fast Slab-sel. 3.62 ms
Matrix Coil Mode Reference scan mode Image Filter Distortion Corr.	Auto (Triple) Integrated Off Off	RF pulse type Gradient mode Excitation qDESS spoiler duration qDESS spoiler moment	Fast Slab-sel. 3.62 ms 31.30 mT/m.ms
Matrix Coil Mode Reference scan mode Image Filter Distortion Corr. Prescan Normalize	Auto (Triple) Integrated Off Off Off	RF pulse type Gradient mode Excitation qDESS spoiler duration	Fast Slab-sel. 3.62 ms